題號:B011 科目:普通生物學 題號:B011

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一、軍選圈 (每圈 1分) ※※※注意:請於試卷『選擇題作答區』依題號作答。※
1. The bonding of two amino acid molecules to form a larger molecule requires
(A) the release of a water molecule (B) the release of a carbon dioxide molecule
(C) the addition of a nitrogen atom (D) the addition of a water molecule
(E) both B and C agree and the state of the
2. Recent evidence shows that individual chromosomes occupy fairly defined territories within the nucleus.
Given the structure and location of the following parts of the nucleus, which would be more probably
involved in chromosome location? a tage and a sure of the state of the
(A) Nuclear pores (B) The nucleolus (C) The outer lipid bilayer
(D) The nuclear lamina (E) The nuclear matrix of the house of the second
3. According to the fluid mosaic model of cell membranes, which of the following is a true statement about
membrane phospholipids?
(A) They frequently flip-flop from one side of the membrane to the other.
(B) They can move laterally along the plane of the membrane.
(C) They occur in an uninterrupted bilayer, with membrane proteins restricted to the surface of the
membrane.
(D) They are free to depart from the membrane and dissolve in the surrounding solution.
(E) They have hydrophilic tails in the interior of the membrane.
4. Zinc, an essential trace element for most organisms, is present in the active site of the enzyme
carboxypeptidase. The zinc most likely functions as a(n) and the second
(A) competitive inhibitor of the enzyme (B) noncompetitive inhibitor of the enzyme
(C) allosteric activator of the enzyme (D) cofactor necessary for enzyme activity
(E) coenzyme derived from a vitamin manager of the contract of
5. In glycolysis, for each molecule of glucose oxidized to pyruvate
(A) 2 molecules of ATP are used and 2 molecules of ATP are produced
(B) 4 molecules of ATP are used and 2 molecules of ATP are produced
(C) 2 molecules of ATP are used and 4 molecules of ATP are produced
(D) 2 molecules of ATP are used and 6 molecules of ATP are produced
(E) 6 molecules of ATP are used and 6 molecules of ATP are produced
6. G proteins and G-protein-linked receptors
(A) are found only in animal cells, and only embedded in or located just beneath the cell's membrane
<ul><li>(B) are found only in bacterial cells, embedded in the cell's plasma membrane only</li><li>(C) are thought to have evolved very early, because of their similar structure and function in a wide variety</li></ul>
of modern organisms
(D) probably evolved from an adaptation of the citric acid cycle
(E) are not widespread in nature and were unimportant in the evolution of eukaryotes
7. Which term describes centromeres uncoupling, sister chromatids separating, and the two new chromosomes
moving to opposite poles of the cell?
(A) Telophase (B) Anaphase (C) Prometaphase (D) Metaphase (E) Prophase
8. A karyotype results from which of the following?
(A) A natural cellular arrangement of chromosomes in the nucleus
(B) An inherited ability of chromosomes to arrange themselves
(C) The cutting and pasting of parts of chromosomes to form the standard array
(D) The ordering of human chromosome images refres to the control of the control
(E) The separation of homologous chromosomes at metaphase I of meiosis

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×	9. How many unique gametes could be produced through independent assortment by an individual with the
	genotype AaBbCCDdEE?
	(A) 4 (B) 8 (C) 16 (D) 32 (E) 64
	10. New combinations of linked genes are due to which of the following?
	(A) Nondisjunction (B) Independent assortment (C) Deletions
	(D) Mixing of sperm and egg (E) Crossing over
	11. Suppose you are provided with an actively dividing culture of E. coli bacteria to which radioactive thymine
	has been added. What would happen if a cell replicates once in the presence of this radioactive base?
	(A) One of the daughter cells, but not the other, would have radioactive DNA.
	(B) Neither of the two daughter cells would be radioactive.
	(C) All four bases of the DNA would be radioactive.
	(D) Radioactive thymine would pair with nonradioactive guanine.
	(E) DNA in both daughter cells would be radioactive.
	12. Which of the following is true for both protographs and substantial and su
	12. Which of the following is true for both prokaryotic and eukaryotic gene expression?  (A) After transcription, a 3' poly-A tail and a 5' cap are added to mRNA.
	(B) Translation of mRNA can begin before transcription is complete.
	(C) RNA polymerase binds to the promoter region to begin transcription.
	(D) mRNA is synthesized in the 3' → 5' direction.
	(E) The mRNA transcript is the exact complement of the
	(E) The mRNA transcript is the exact complement of the gene from which it was copied.
	13. Genomic imprinting, DNA methylation, and histone acetylation are all examples of
	(A) epigenetic phenomena (B) chromosomal rearrangements (C) karyotypes
	(D) genetic mutation (E) translocation
	4. Which of the following seals the sticky ends of restriction fragments to make recombinant DNA?
	(A) Restriction enzymes (B) Gene cloning (C) Gel electrophoresis
	(D) DNA ligase (E) Reverse transcriptase
	5. Which of the following characteristics are keynote adaptations to the seed-producing plants?
	(A) pollen & seeds (B) lignin present in cell walls & seeds (C) megaphylls & seeds
	(D) use of air currents as a dispersal agent & seeds (E) sporopollenin & seeds
0.00	6. Which organisms listed below are thought to be the closest relatives of fungi?
	(A) Animals (B) Vascular plants (C) Brown algae (D) Cyanobacteria (E) Mosses
	7. What is the consequence of double fertilization in angiosperms?
	(A) Both a diploid embryo and triploid endosperm are formed.
	(B) The endosperm develops into a diploid nutrient tissue.
	(C) Two embryos develop in every seed.
	(D) A triploid zygote is formed.
	(E) The antipodal cells develop into the seed coat.
	8. In both lichens and mycorrhizae, what does the fungal partner provide to its photosynthetic partner?
	(A) Antibiotics (B) Protection from harmful UV (C) Carbohydrates
	(D) Fixed nitrogen (E) Water and minerals
	9. Microevolution, or evolution at its smallest scale, occurs when
	(A) a population's allele frequencies change over a span of generations.
	(B) an individual's traits change in response to environmental factors.
	(C) a microorganism mutate to adapt the environmental stress.
	(D) a community of organisms changes due to the extinction of several dominant species.
	(E) a new species arises from an existing species.
	(-) species arises from an existing species.

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20. The loss of plant biodiversity, including the wild relative	s of crop species, is harmful be	ecause these wild
relatives	ಷ್ಟಾ ಜಿ.ಕೆ.ಎ.ಕ ಮೀ	the sale
(A) global warming kills most of them. (B) feed	most of the world's population	
(C) may be suitable for domestication and regional prod	luction. (D) are often tast	ier than existing crops
(E) are a source of genetic diversity that could be used to	o modify or bolster existing cr	ops.
21. Genetic drift resulting from a disaster that drastically red	luces population size is called	wa dan sa witay
(A) microevolution. (B) natural selection.		
(D) the founder effect. (E) the bottleneck effect.		
22. Which of the following organisms first introduced oxyge		
(A) Bryophytes (B) Green algae (C) Early prote		
23. The recessive allele of a gene causes cystic fibrosis. For	E-	
Caucasian population is in Hardy-Weinberg equilibrium		
babies is born homozygous recessive, and therefore suff		T
(A) $0.02$ (B) $0.0004 = (0.02)^2$ (C) $0.03$		
(D) $0.9604 = (0.98)^2$ (E) $0.9996 = 1 - (0.02)^2$		
24. The host range of a virus is determined by		Jagorijas ir reimijas (
(A) the enzymes carried by the virus. (B) the p	roteins on its surface and that	of the host.
(C) whether its nucleic acid is DNA or RNA.	D) the proteins in the host's cy	toplasm.
(E) the enzymes produced by the virus before it infects t	he cell.	estano (stanovilli)
25. The most important feature that permits a gene to act as a	a molecular clock is	and phia hidde 44.
(A) having a large number of base pairs. (B) hav	ving a reliable average rate of r	nutation.
(C) being acted upon by natural selection (D) have		
 26. If organism A, B, and C belong to the same Class but to	The state of the s	entra agent edition and an are
the same Order but to different Families, which of the fo	ollowing pairs of organisms wo	ould be expected to
show the greatest degree of structural homology?	Banggiger om agsformet boden filmandet.	tama haraviti asili
(A) A and B (B) B and D (C) C and F	(D) D and F	
27. The correct sequence from the highest taxonomic levels t	to the lowest one is	rugalessus svidal III.
(A) phylum kingdom class order family genus specie	<b>19</b> Partition and an orange asset from a caller	terr minde for the energy con-
(R) kingdom phylim class order family genus specie	<sub>ig</sub> andi ayayibin a Dilah Albahiq	
(C) phylum, kingdom, class, family, order, genus, specie	s.	I diving the production
(D) kingdom, phylum, order, class, family, genus, specie	es.	
28. Which of the following organisms has the farthest relatio	nship with others?	over I was the file
(A) E. coli (B) C. elegans (C) Drosophii	la sp. (D) Homo sapiens	
29. Why is amniotic egg considered an important evolutionar	ry breakthrough?	and of execute and define
(D) It apprends insulation to conserve heat		
(C) It allows incubation of eggs in a terrestrial environm	ent.	e realization manager at the
(D) It magnitude internal factilization to be realoughly auto	amal fartilization	
30. All of the following animals belong to Ecdysozoa (蜕皮)	動物) except	
 (A) crab (B) snail (C) insect (D) nem	atode	1
 31. Which of the following animals does not belong to invert		(1)
(A) Sponge and jelly fish (B) Earthwo	rm and octopus	n in implication for the sale
(C) Shrimp and sea cucumber (D) Ape and	117810	
Continues of the Contin		i quiqui est

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32. Which of the following animals does not belong to living fossils?
(A) horseshoe crab (B) coelacanth (C) nautilus (D) panda
33. Which information about algal blooms is correct?
(A) Algal blooms often lead to black tides.
(B) The frequency of marine algal blooms has decreased globally.
(C) Red or brown tides are often correlated with the release of toxic compounds.
(D) Bacteria feeding on algal remains can use up CO2 and benefit aquatic animals.
34. The native cycads (蘇鐵) in Taiwan are threatened by exotic cycads. What is the major reason?
(A) Exotic cycads invade the native one's habitat (i.e. 台東).
(B) Exotic cycads secrete chemical in soil and then kill the native one.
(C) Exotic cycads attract pollinators away from the native one.
(D) Exotic cycads support high populations of herbivores, which hurt the native cycads.
35. Which statement about nutrient cycles is not true?
(A) Earth is basically a closed system, and therefore life on Earth depends on the recycling of elements.
(B) Nitrogen gas makes up about 78% of our atmosphere. Therefore, nitrogen is usually not a limiting factor in
plant growth.
(C) The most common nitrogen-fixing bacteria often form symbiotic relationships with the most of lemmes
(D) industrial nitrogen fixation facilitates agricultural development but also creates environmental problems (e.g.
eutrophication due to excessive fertilization).
36. Which statement about trophic structure and ecosystems is true?
(A) Energy flow in ecosystems does not follow the pattern of "pyramid of energy"
(B) DDT concentration usually reached the highest level in species at lower trophic levels (e.g. primery
producers), greatly reducing the population of these species.
(C) Fligher species diversity often leads to higher ecosystem functions.
(D) Prionailurus bengalensis (石虎), an important top predator in Taiwan's ecosystem, is often found in
nigh mountains.
37. Which statement about ecology is not true?
(A) Ecological studies investigate organism-organism or organism-environment relations
(B) Plants can sequester a lot of excessive carbon produced by human activity.
(C) The world is green because predators can control herbivores, and also because plants have defenses against herbivores.
(D) Taiwan's ecosystems are rarely affected by invasive species, since Taiwan is isolated from other
Countries,
38. If you become a leader in Taiwan, what information about global ecology/climate change can you tell your people?
(A) Taiwan is lucky because land at similar latitudes around the world is often covered by deserts or savannas.
(B) Taiwan's ecosystems have very high biodiversity, compared to the majority of countries in the world.
(C) Species under climate change (i.e. warming) may have to move to higher elevations in Taiwan.
(D) All of the above
39. Sousa chinensis (中華白海豚) are facing strong anthropogenic impacts. Their population in Taiwan is
eshinated at around individual(a)
(A) 1 (P) 100 (C) 1000
40. The full range of abiotic or biotic conditions and resources a species can use for survival and reproduction
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(A) habitat (B) niche (C) ecosystem (D) community
(D) community

題號:B011 題號:B011 共9頁之第5頁 科目:普通生物學 41. Which of the following about predator-prey coevolution should be true? (A) Each species can exert selection pressure on the other. (B) Predators are selective agents leading to improved prey defenses. (C) Preys with better defenses are selective agents leading to better predator hunting skills. (D) All of the above 42. Some introduced species become invasive and cause deleterious effects in introduced habitats. The success of these invasive species is often because a second account of the same that are attended to the feeting (A) there is a lack of associated parasites, competitors, or predators in introduced habitats. (B) the invasive species are long-lived. (C) the invasive species quickly form a mutualism with local species. รูของ และ และ เราะส์ใช้เกราะการที่รายเรื่องเกิดเรื่องเกิดเรียก (D) all of the above. 43. When the birth rate and immigration equal the death rate and emigration in a population, the result is (A) logistic growth. (B) exponential growth. (C) geometric growth. (D) zero population growth. 44. The high osmolarity of the renal medulla in mammals is maintained by all of the following except (A) the spatial arrangement of juxtamedullary nephrons. (B) diffusion of salt from the descending limb of the loop of Henle. (C) diffusion of salt from the thin segment of the ascending limb of the loop of Henle. (D) active transport of salt from the thick segment of the ascending limb of the loop of Henle. (E) diffusion of urea from the medullary collecting duct. 45. Which of the following occurs during expiration? (A) The diaphragm contracts and the alveoli inflate. (B) The decrease of thoracic volume raises the intrapleural pressure above the atmospheric pressure, thereby causing air to flow out of the lungs. (C) The ribs move upward to decrease the thoracic volume and the alveoli deflate. (D) The diaphragm relaxes and the pressure in the alveoli becomes greater than the atmospheric pressure, vancing thereby pushing the air out. Frontish (A) and consended the enterprised (fi) and expectitions 46. Which of the following is the correct sequence that describes the excitation and contraction of a skeletal muscle fiber? reference into the an exempte an execution of the contract of th 1. The thin filaments are ratcheted across the thick filaments by the heads of the myosin molecules Transfer a cusing energy from ATP, third from analyzada and the transfer of the analyzada and the state of th 2. Tropomyosin shifts and unblocks the cross-bridge binding sites on the thin filament 3. Transverse tubules depolarize the sarcoplasmic reticulum. 4. Calcium is released and binds to the troponin complex. 5. An action potential in a motor neuron causes the axon to release acetylcholine, which depolarizes the cell membrane of the muscle fiber. The plantage are save and the state of the muscle fiber.  $(A) 5 \rightarrow 4 \rightarrow 3 \rightarrow 2 \rightarrow 1$ (B)  $4 \rightarrow 2 \rightarrow 3 \rightarrow 5 \rightarrow 1$  (C)  $4 \rightarrow 3 \rightarrow 1 \rightarrow 2 \rightarrow 5$ (D)  $5 \rightarrow 3 \rightarrow 4 \rightarrow 2 \rightarrow 1$  .....(E)  $5 \rightarrow 3 \rightarrow 2 \rightarrow 4 \rightarrow 1$  and a sumple operation of the field like 47. During an inhibitory postsynaptic potential (IPSP), the membrane of the postsynaptic neuron becomes more permeable to - nomen's all the controlling to the form one car (A) Na<sup>+</sup> (B) K<sup>+</sup> (C) Cl (C) (D) K<sup>+</sup> or Cl (E) Na<sup>+</sup> or Cl 48. Suppose that all the calcium could be removed from the extracellular fluid surrounding a neuron. Such removal would inhibit the ability of a neuron to the and holden as a measurement and a second many of the (A) produce action potentials. (B) produce synaptic potentials. (C) release neurotransmitter. (D) degrade neurotransmitters.

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49. A physiologis	st is studying the hom	eostatic control of l	olood pressure. In a tria	al, a man goes from a lying to a
standing posi	ition and the blood pr	essure is measured.	A fall in blood pressur	e is compensated by a faster
heart rate. W	hich component of th	e homeostatic feedl	oack system is responsi	ble for deciding if the blood
pressure is fa	r enough from norma	I that a response is	necessary?	
(A) sensor	(B) integrator	(C) effector		annica i na ar ni
50. Which of the	following statements	about skeletons is t	rue?	relate another it in the
(A) Hydrosta	tic skeletons are soft	and do not protect h	ody parts.	Process as included and the
(B) Chitin is	a major component of	f vertebrate skeletor	l	ann haile dhe an an ann
	e bones contain living			
			ally in order to grow	rapidali avistan in tal
51. All of the follo	owing statements are	correct except	" "	avedere i vaka 170
			tten in the deale	il livra when distributely as a tra-
(B) Humans	distinguish colors has	ed on the nattern of	atimulation of the	pes of opsins found in cones.
(C) Sensation	s from the left viewel	field of both aver a	summation of three ty	pes of opsins found in cones.
right view	el field co to the left	rienal basis is bus	o to me ugut visual coi	rtex and sensations from the
(D) A rattleen	ake's facial pits detac	t the prosence of	<b>808.</b> (1) (1) (1) (1) (1) (1) (1)	esoporus inigge cur (Au
(E) Paraentics	ake s lacial phis detec	a the presence of pr	ey using photoreceptio	📆ų grajo e raikty (Vi
62 Hamana Mar	1 Of Visual informatio	n takes place in the	brain.	Medicinal South Section (1975)
come from				est response by the cell would
1,1 3.4			erika prekistronera	mit saader dia a chivry
(A) applying a	a molecule of normon	ie Y to the extracell	ular fluid surrounding	the cell
(C) applications	i molecule of normon	e Y into the cytople	ism of the cell	nest organization distribution
(C) applying a	molecule of CAMP	to the extracellular	duid surrounding the co	
(D) injecting a	i molecule of CAMP	into the cytoplasm	of the cell	rais galvusa (deced)
(E) injecting a	molecule of activate	d, cAMP-dependen	t protein kinase into the	e cytoplasm of the cell
53. Which of the f	ollowing cell types in	itiates a secondary	immune response?	nata raginasjak sais (si)
				lls (E) Immature leukocytes
54. The immune sy	ystem is capable of m	ounting specific res	ponses to particular mi	icroorganisms because
(A) lymphocy	tes are able to change	their antigen speci	ficity as required to fig	ht infection.
(B) stem cells	are able to change the	eir antigen specifici	ty as required to fight i	nfection.
(C) the body c	contains an enormous	diversity of lympho	cytes, each with a spec	cific kind of antigen receptor.
(D) stem cells	make different antige	en receptors depend	ing on the invading mi	croorganism.
55. Which of the fe	ollowing is not a feat	ire of gas exchange	in the respiratory syste	em of birds?
(A) The excha	inge of gases between	parabronchi and bl	ood is in a countercurr	ent direction
			ngs.menani mesah a al	
			oly sized mammal.	
				and frame to a law of that
				als.
				m ions, then
(A) acrosomal	reaction would be blo			rmy would not occur.
			) fusion of marm and	egg nuclei would be blocked
(E) zvgote wor	ald not contain mater	ral and naternal she	omosomes.	egg naciei would be blocked
57 If a person goes	on a low andium die	d -hi-b -fd - fill	Uniosomes.	ofee Mark feet ayed as
				b Ndajah (dajar kawansa
(A) Inc blood	volume decreases.	(D) The blood pr	essure decreases. (	C) ADH secretion increases.
(D) All moreus	e m me gromermar n	ination (E) The	concentration of angio	otensin II increases.
,				¥

國立臺灣大學 年第2次基礎學科認證考試試題 類號:B011 題號:B011 共 9 頁之第 科目:普通生物學 58. The hydrochloric acid in the stomach arin eyendilesi is a Pymiranis is mini (A) is secreted by the parietal cells. (B) increases when chyme is emptied into the duodenum. (C) is released in response to sympathetic stimulation. (D) activates trypsinogen. (E) decreases when the rate and strength of stomach contractions increase. ※下列題目請標明題號 (不必抄題),依序作答於試卷內「非選擇題作答區」。※ 二、填充 (A) 選擇一個你認為最適當的選項(題目後的括號內)填入空格中 (每題 1分) 1. A recording of the electrical activity of a patient's heart show that the atria are contracting regularly and normally, but every few beats the ventricles fail to contract. The \_\_\_\_\_\_ is probably not functioning (semilunar valve, atrioventricular valve, SA node, AV node, coronary artery) properly. 2. During the menstrual cycle, estradiol peaks first, peak next, and finally (estradiol, luteinizing hormone and follicle-stimulating hormone, progesterone, testosterone) 3. Particular groups of cells called organizers convey positional information to other cells through morphogens. These signal molecules play a role in development by (determination, differentiation, morphogenesis, induction, apoptosis) 4. Leptin, a hormone that plays an important role in long-term appetite regulation in mammals, is secreted by (hypothalamus, pituitary gland, thyroid gland, adipose tissue, adrenal gland) 5. The connection between structure and is a basic concept of biology. (adaptation, species, function, gene, evolution) 6. Sensory-transducing cells that fire both graded potentials and action potentials are found in (vision, gustation/taste, olfaction, audition) 7. A red blood cell is in an arteriole in the small intestine of a cat. This cell must pass through capillary beds before it is returned to the left ventricle of the heart (along the shortest route). (one, two, three, four, five) (B) 請在空格中填入適當的答案 (每格 0.5 分) (a type of functional cells) has no nucleus at maturity. 2. Unlike animals, trees (perennial plants) perform the indeterminate growth throughout their life span because of the persistence of (a specific tissue). 3. In order to take up water from the environment, plant roots have to keep their water potential then the four or higher) than that of soil solution: selection the selection of the selecti 4. Aleurone layers of cereal grains have provided a good model system for studying the action mechanisms of plant hormones. Application of (a type of plant hormone) to isolated aleurone

見背面

5. Three tissue systems make up the plant body (including root, stem and leaf):

, vascular tissue, and

layers can stimulate the expression of \_ endosperm for the growth of seedlings.

6. The most popular model plant for basic academic researches is \_\_\_

(an enzyme) which digests reserve starch in

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(i)	f accessory pigments in photosyr	and the same of th
(ii)	4.0	energii errere e percentidade pertire
		A AMERICAN
		್ಯ ಎಲ್.ಮೆ. ಅಲ್ಲಾಗಿ ಚಿತ್ರವಾದ್ ನೀ
、配合題 (毎題 (	).5 分)	
	•	v Alexa, celebrate generali latividade
( ) I manufacture of the control of	Pericycle	A. photosynthesis
-	2 Guard cells	B. Photo-splitting of water molecule
	3 Protease inhibitor	C. Generate membrane potential
	4 Mesophyll	D. Sugar translocation
the state of the s	Sieve tube	D. Sugar translocation  E. Defense against herbivorous insects
garanite <mark>zitus</mark> urit	Membrane proton pump	F. Formation of lateral roots
- <del>[</del>	Photosystem II	
(B) Match the function	ns with one specific plant hormon	G. Transpiration control
	Promote lateral bud growth	
et e bereit alleger van f	2. Keep seed dormancy	A. Auxin
	Stimulate flower wilting	B. Gibberellins C. Cytokinins
	. Stimulate stem elongation	
	. Promote leaf abscission	D. Brassinosteroids E. Abscisic acid
	The state of the s	
180	. applied to be set a feet	<ul> <li>A Comparation and the solution of a contract that</li> </ul>
		G. Strigolactones
		स्यान्यु निर्देशस्त्र अध्योज्योदः स्थाने व्यक्तिः पुर्वादयाः अस्योग्यास्यस्य ।
	2分)(可用中文回答)	्रवर्गमध्यम् इत्योग्वयेष् स्थान्यवेष्यये सम्बद्धाः स्थान
Allolo		cilistat filme ede et eteteteta es etal F la turi filo
2. Amphipathic mole	teerreid ein geden hetel ein hetel onle	lahinan industrian badasan di dalam bar permuan
3. Allosteric regulation	200 0 000	Parkly providing of the second
4. Deuterostomes		es en especial approximation of the first energy of
	profesional de la fille de la company de la	anda) <b>eyene</b> ant egod e
g a segmentere da escala Sancial de la companya	andriae (1975) Andria (1964) Andria (1964) Andria (1964) Andria (1964) Andria (1964) Andria (1964) Andria (1964) Andria (1964) Andria (1964)	etype or
the state of the s		
簡答題 (每題 2	分)(可用中文回答)	. The first account of the fir
2.00		action of seed plants in terms of evolutional and
cological significance		
	Cartification of the contract	e chance to survive against natural selection during
volution. By what me	chanisms seed plants (higher plan	nts) enhance the opportunity of out-crossing (not
	ace the genetic uniformity among	their offeringe
		licts that the global mean surface temperature may

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六、配	合圈	(Find the best	term	that satisfies	the e	xplanation from be	low.	(毎題1分)
	1. In r	egular flowers, any	line d	rawn through the	centre	will divide the flower in	to two	identical halves.
	WI	nen at least one peta	l of th	e corolla is differ	rent, the	flower is zygomorphy.		
	2. Onl	y the organisms bes	st adaj	oted to their envir	onment	tend to survive and tran	smit t	heir genetic
	cha	racteristics in incre	asing	numbers to succe	eding g	enerations while those le	ess ad	apted
	ten	d to be eliminated.	_					-
	3. The	study of evolutions	ary rel	ationships among	g groups	of organisms (e.g. spec	ies, p	opulations),
			-			iata and morphological		
			-		_	e, which is diploid, that	72	
		lticellular gametoph				4		ě
				and the second control of the second control	clean t	p pollution is called:		
		61 24 10 500 100				d through mutations or c	hange	es in the
					_	it regulate development.		
	-					uctures, or genes, in diff	erent	snecies
						ies. It means at least the		
		two or the change			_	rate-	, pp.re.	ang or a species
						single ancestral species	while	inhabiting the
		ne geographic region		ew apecies everv	c nom t	single ancestar species	********	s immorting the
		e spreading of polle		n the male to the	female	nort of a flower		
	10. 11	e spreading or pone	л пог	n die maie to me	тепіще	part of a nower.		
	Α.	Alternation of	B.	Allopatric	C.	Artificial selection	D.	Biomimicry
500	A.		Б.		\ C.	Attiticial selection	D.	Dioliminery
	-	generation	T	speciation		771	TT	T-dil-d-
	E.	Bioremediation	F.	Evo-Devo	G.	Floral symmetry	H.	Fertilization
	I.	Homoplasy	J.	Homology	K.	Macroevolution	L.	Natural
								selection
	M	Phylogeny	N.	Pollination	0.	Sympatric speciation	1	

# 試題隨卷缴回

